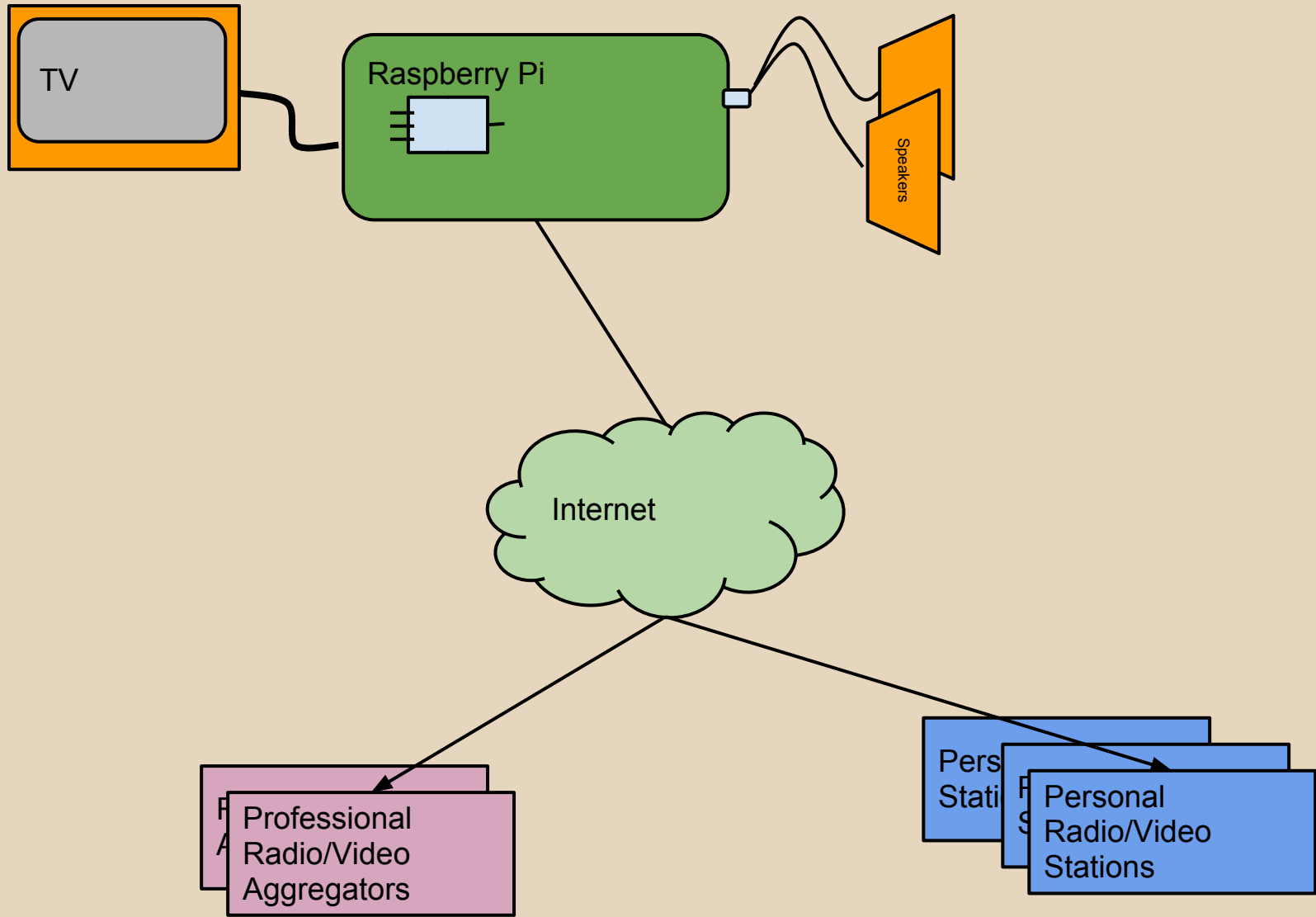# MediaPie

Peer-to-peer media station
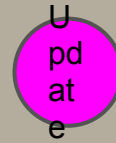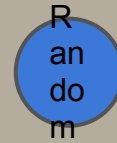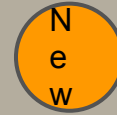
# Concept

TV

Raspberry Pi

Speakers

Internet

Professional Radio/Video Aggregators

Personal Radio/Video Stations

# Functions (user view with a panel)



Now playing:
Channel   中国新闻

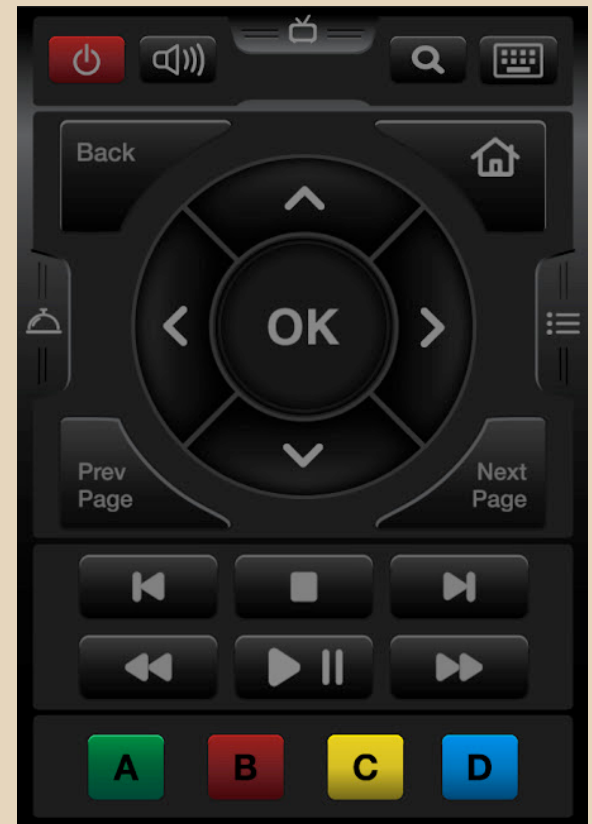New    Random    Update
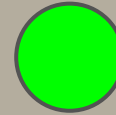
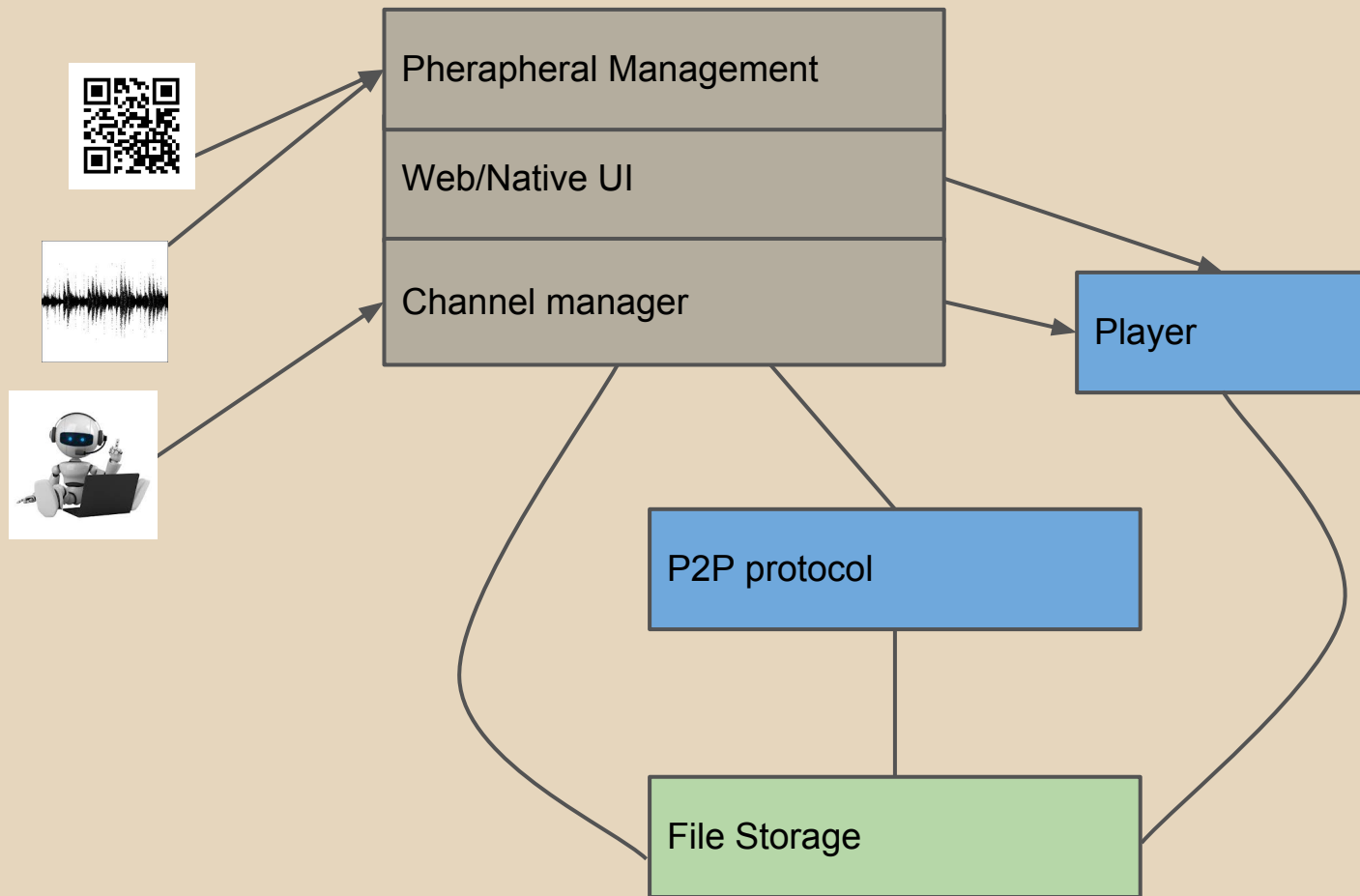# Functions(User view with a display)



Channel :
中国新闻

# Functions(user view with mobile remote)

HTML5 UI (device neutral)

- add new channel
- select channel
- playback(shuffle,new,etc)
- favorite (archive)
- create/share channel (based on favorites)
- system information(storage, network, etc.)

# Architecture

# Local Data Storage Structure

```
--- My station
---RM3GRQKX4Z25LO73YNSHDOFKER5AVSTIJ
    |------ station.xml
    |------- station.jpg  //size/ratio defined
    |------- /data folder
---TKXSVDDW644QIHGTAM5YMSD34JRIIRNO
    |------ station.xml
    |------- station.jpg  //size/ratio defined
    |------- /data folder
```

# Station Metadta (station.xml)

```xml
<station>
    <name>天籁之音</name>
    <curator>Cherry</curator>
    <timeZone>GMT-8</timeZone>
    <secret>RM3GRQKX4Z25LO73YNSHDOFKER5AVSTIJ
    </secret>
    <info>这是我多年收集的最好听的歌声</info>
</station>
```

# Modules (coming soon)

Some basic modules to kickstart the program and future interfaces for further polishing....

# Backups…